JC17 Rec'd PC1/FTO 22 JUN 2005

PATENT Docket No. 32860-000904/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s):

David Walter BRANSTON et al.

Int'l Application No.:

PCT/DE2003/004121

Application No.:

NEW APPLICATION

Filed:

June 22, 2005

For:

METHOD AND DEVICE FOR INFLUENCING

COMBUSTION PROCESSES OF FUELS

INFORMATION DISCLOSURE STATEMENT (SUBMISSION CONCURRENT WITH THE FILING OF A NEW PATENT APPLICATION)

Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22314 Mail Stop PCT June 22, 2005

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each
publication or that portion which caused it to be listed; and (iii) all other information
or that portion which caused it to be listed.

This application is a National Phase of a PCT application. All of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

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New PCT National Phase Application Docket No. 32860-000904/US

	U.S. p Form foreign	atents of	present application is being filed after June 30, 2003, no copies of the or U.S. patent application publications which are listed on the attached re enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any documents or non-patent literature listed on the attached Form 1449 are with.
III.			(PLANATION OF THE RELEVANCE tone box)
	a.		DOCUMENTS IN THE ENGLISH LANGUAGE
			The attached patents, publications, or other information in the English language do not require a statement of relevancy.
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			A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:
			Many of the documents have been discussed in the PCT Search Report, and/or throughout the specification. The PCT Search Report and German translation aid translating key terms into English, indicate the degree of relevance found by the PCT Office, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).
	c.	\boxtimes	ENGLISH LANGUAGE SEARCH REPORT
			An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).
	d.	\boxtimes	OTHER
			The following additional information is provided for the Examiner's consideration.
			International Search Report and German Translation Aid.

New PCT National Phase Application Docket No. 32860-000904/US

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This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C.

Donald J. Dale

P.O. Box 8910 Reston, Virginia 20195

(703) 668-8000

Enclosures:

DJD/smk

Form PTO-1449(s)

Foreign Search Reports

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Approved for use through 04/30/2003. OMB 0651-0031
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Substitute	Substitute for form 1449A/PTO			Complete if Known
			Application Number	New Application
INFO	RMATION I	DISCLOSURE	Filing Date	June 22, 2005
STAT	STATEMENT BY APPLICANT		First Named Inventor	Unknown
			Art Unit	Unknown
(use as many sheets	s as necessary)	Examiner Name	David Walter BRANSTON et al.
Sheet		of	Attorney Docket Number	32860-00904/US

U.S. PATENT DOCUMENTS							
Examiner Initials *	Cite No.'	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where		
		Number - Kind Code ² (if known)		Document	Relevant Passages or Relevant Figures Appear		
	1	US- 3 416 870 A	17-12-1968	Esso Research and Engineering Company			
	2	US- 4 111 636	05-09-1978	L.P.Weinberger			
		US-					
		US-					
		US-	•				
	1	US-					
		US-					
		US-					

Foreign Patent Document Country Code³ - Number⁴ - Kind Code⁵ (if known) GB 10 13 015 A EP 0 212 379 B1 WO 03/081130 A	Publication Date MM-DD-YYYY 15-12- 1965 04-03- 1987	Name of Patentee or Applicant of Cited Document Axel Bertilsson Kjellstrom	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [®]
EP 0 212 379 B1 v	1965 04-03-	Kjellstrom		
<u> </u>			L	
WO 03/081130 A	190/	Keesmann Till		
1	02-10- 2003	Pyroplasma KG		
CH 568 250 A	31-10- 1975	B.P. Nikolsky, M.M. Shults, A.M. Pisarevsky, A.A. Beljustin, S.K. Bolkhontseva, V.A. Dolidze, V.M. Tarasova, J.M. Karachentseva, L.I. Dolmazova	·	
EP 1 178 206 A	0-602- 2002	Koyama, Motonari		
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		<u> </u>		
		WO 06/01304 A . 18-01-	EP 1 178 206 A	EP 1 178 206 A

Examiner Signature	/Sarah Suereth/ (03/27/2010)	Date Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO , ,			Complete if Known
INICODIA	TION DIGGL OCUDE	Application Number	New Application
INFORMATION DISCLOSURE		rung Date	June 22, 2005
STATEMENT BY APPLICANT		First Named Inventor	David Walter BRANSTON et a
		Group Art Unit	Unknown
(use as many sheets as necessary)		Examiner Name	Unknown
Sheet	of	Attorney Docket Number	32860=000904/US

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
	9	H. F. Calcote, R. N. Pease, "Electrical properties of flames. Burner flames in longitudinal electric fields," <i>Industrial and Engineering Chemistry</i> 43 (1951) 2726-2731	
	10	H. F. Calcote, C. H. Berman, "Increased methane-air stability limits by a DC electric field," Fossil fuels combustion symposium, 12 th Annual energy-sources technology conf. (1989) pp. 25-31	
	11	R. I. Noorani, R. E. Holmes, "Effects of electric fields on the blowoff limits of a methane-air flame," AIAA Journal 23 (1985) 1452-1454	
	12 ·	M. Kono, F.B. Carleton, A.R. Jones, F.J. Weinberg, "The effect of nonsteady electric fields on the sooting flames," <i>Combust. Flame</i> 78 (1989) 357-64	
	13,	M. Saito, T. Arai, M. Arai, "Control of soot emitted from acetylene diffusion flames by applying an electric field," <i>Combust. Flame</i> 119 (1999) 356-366	
	14	C.H. Berman, R.J. Gill, H.F. Calcote, "Nox reduction in flames stabilized by an electric field," PD-vol. 33, Fossil Fuel Combustion, ASME 1991, pp. 71-75	
	15	A.B. Vatazhin, V.A. Likhter, V.A. Sepp, V.I. Shul'gin, "Effect of an electric field on the nitrogen oxide emission and structure of a laminar propane diffusion flame," <i>Fluid Dynamics</i> 30 (1995) 166-174	
	16	D. Bradley, S.H. Nasser, "Electrical coronas and burner flame stability," Combust. Flame 55 (1984) 53-58	
	1		

Examiner	/Sarah Suereth/ (03/27/2010)	Date	
Signature	, , , , , , , , , , , , , , , , , , , ,	Considered	

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